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October 18, 2002

Commissioner for Patents
Box PCT
Washington, D.C. 20231

Re: U.S. Patent Application Serial No. 10/030,850
(Based on International Patent Application No. PCT/GB00/02662)
U.S. Filing Date: January 11, 2002
International Filing Date: July 11, 2000
Title: ORBIT AND HOMOLOGUES THEREOF
Inventors: Maria do Carmo Avides, et al.
Attorney Docket No. CCI-018US

Dear Sir:

I enclose herewith for filing in the above-identified application the following:

1. Response to Notification of Missing Requirements (1 page, in duplicate);
2. Three Executed Declaration, Petition and Powers of Attorney (12 pages, total);
3. Transmittal Letter for Diskette Containing Sequence Listing (1 page);
4. Diskette containing Computer Readable Form of the Sequence Listing;
5. Paper Copy of Substitute Sequence Listing (Pages 1-13);
6. Copy of Notification of Missing Requirements (2 pages);
7. Request for Five-Month Extension of Time (1 page, in duplicate); and
8. A Pre-Paid Acknowledgment Postcard.

Please charge any necessary fees to our Deposit Account No. 12-0080. The undersigned requests any extensions of time necessary to respond. For this purpose, a duplicate of this sheet is enclosed.

| | |
|--|--------------------------|
| "Express Mail" mailing label number | EL 931 680 311 US |
| Date of Deposit | October 18, 2002 |
| I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Box PCT, Washington, DC 20231 | |
| Signature | <i>Viriato G Cardoso</i> |
| Please Print Name of Person Signing | Viriato G Cardoso |

Respectfully submitted,

LAHIVE & COCKFIELD, LLP

Cynthia L. Kanik
Cynthia L. Kanik, Ph.D.
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28 State Street
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: **Maria do Carmo AVIDES, et al.**

International Application No.: **PCT/GB00/02662**

International Filing Date: **July 11, 2000**

U.S. Serial No.: **010/030,850**

Filed: **January 11, 2002**

For: **ORBIT AND HOMOLOGUES THEREOF**

Attorney Docket No.: **CCI-018US**

Group Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

Commissioner for Patents
Box PCT
Washington, D.C. 20231

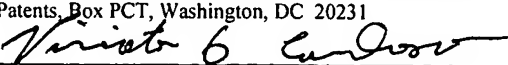
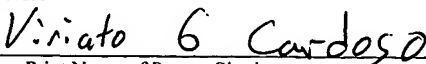
RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS

Dear Sir:

Responsive to the Notification of Missing Requirements Under 35 U.S.C. §371 in the United States Designated/Elected Office (DO/EO/US) dated March 19, 2002, Applicants' attorney submits both, a substitute paper copy (pages 1-13) and a computer-readable form (diskette) of the Sequence Listing as required by 37 C.F.R. 1.821(e). Also enclosed are three *executed* Declaration, Petition and Powers of Attorney and a copy of the 371 Formalities Letter along with a Request for Five-Month Extension of Time.

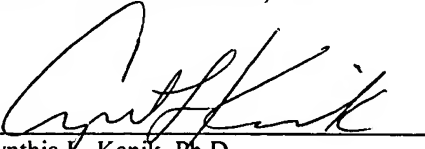
Please charge any necessary fees to Deposit Account No. 12-0080. The undersigned requests any extensions of time necessary to respond.

Please charge any underpayments or credit any overpayments associated with this communication to Deposit Account No. 12-0080. For this purpose, a duplicate of this page is enclosed.

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| "Express Mail" mailing label number | EL 931 680 311 US |
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|  | |
| Signature | |
|  | |
| Please Print Name of Person Signing | |

Respectfully submitted,

LAHIVE & COCKFIELD, LLP


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UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents, Box PCT
United States Patent and Trademark Office
Washington, D.C. 20231
www.uspto.gov

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|---|--|-------------------------------|
| U.S. APPLICATION NUMBER NO. 10/030,850 | FIRST NAMED APPLICANT Maria do Carmo Avides | ATTY. DOCKET NO. CCI-018US |
|---|--|-------------------------------|

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| INTERNATIONAL APPLICATION NO. PCT/GB00/02662 |
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|--------------------------------|-----------------------------|
| I.A. FILING DATE 07/11/2000 | PRIORITY DATE 07/13/1999 |
|--------------------------------|-----------------------------|

Giulio A DeConti, Jr.,
Lahive & Cockfield
28 State Street
Boston, MA 02109

DOCKETED
May 19, 2002 Missing Page
Dec 19, 2002 ESP
Legally x Date

CONFIRMATION NO. 8298
371 FORMALITIES LETTER



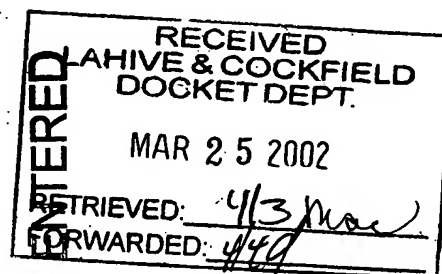
OC000000007645283

Date Mailed: 03/19/2002 ✓

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fees
- Indication of Small Entity Status
- Priority Document
- Biochemical Sequence Listing
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Oath or Declaration
- Preliminary Amendments
- Small Entity Statement



The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
 - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions

e

of 37 CFR 1.136(a).

The following items **MUST** be furnished within the period set forth below:

• The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):

- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).
- APPLICANT MUST PROVIDE:
 - An initial or substitute computer readable form (CRF) of the "Sequence Listing."

• For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

WINSTON M ALVARADO

Telephone: (703) 305-6421

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/030,850 | PCT/GB00/02662 | CCI-018US |